

Oct/Nov/Dec 1992

**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE**

EPA Region 5 Records Ctr.



274098

Reporting Period: FY93, Q1

Site name: North Bronson Industrial Area **CA #:** V005934-01

Activity: RI/FS

Budget period ends: 6/30/94

WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES
TAKEN OR PLANNED) **IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Site Investigation

This task has been completed.

Task 6: Community Relations

The Community Relations Plan was completed by the MDNR and was submitted to the EPA. Have responded to inquiries regarding project status and also to FOIA requests as appropriate. These request are generally for analytical data. Even though the RI Report is not final, since the data has been reviewed and validated, it has been provided to those who have justified a need to see it at this time.

Task 7: Remedial Investigation Report

The draft RI was submitted to the MDNR in September 1993. MDNR distributed the document for review, including copies to the EPA. MDNR continued internal review of the draft RI Report during this quarter. MDNR began to compile review comments of our agency and anticipated detailed comments from the EPA.

Task 8: Baseline Risk Assessment

This document was also submitted to the MDNR in September by Warzyn. It was also distributed for review, including copies to the EPA. Internal review by the MDNR staff toxicologist was ongoing during this quarter.

PERCENTAGE OF **ACTIVITY SCHEDULED** TO BE COMPLETED: 80%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 75%

EXPLANATION OF SIGNIFICANT DIFFERENCE: N/A

FOR **EACH OF THE ABOVE TASKS**, IDENTIFY THE FOLLOWING:

TASK NAME AND BUDGETED AMOUNT: (Note: Includes both contractual
and state costs)

Task 5: Phase II Site Investigation - \$350,000

Task 6: Community Relations - \$15,000

Task 7: RI Report - \$150,000

Task 8: Baseline Risk Assessment - \$95,000

ESTIMATED EXPENDITURES THIS QUARTER:

Task 5: \$ 0

Task 6: \$ 1,500

Task 7: \$ 2,700

Task 8: \$ 1,500

} \$5,700

ESTIMATED EXPENDITURES TO DATE:

Task 5: \$350,000
Task 6: \$ 11,500
Task 7: \$142,700
Task 8: \$ 86,500

PLANNED EXPENDITURES TO DATE:

Task 5: \$350,000
Task 6: \$ 12,000
Task 7: \$145,000
Task 8: \$ 88,000

EXPLANATION OF SIGNIFICANT DIFFERENCES: N/A

TOTAL FUNDING FOR THIS ACTIVITY: \$1,400,000

ESTIMATED EXPENDITURES THIS QUARTER: \$5,700

ESTIMATED EXPENDITURES TO DATE FOR THIS ACTIVITY (RI/FS): \$1,064,400

TIME AND FUNDS REMAINING (BALANCE): \$335,600

ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 18 months,
\$340,000

EXPLANATION OF SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: N/A

Prepared by Bundy W. Boyce Date 2/10/93
(Project Manager)

Approved by George Carpenter Acting Date 2/11/93
(Supervisor)

**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE**

Reporting Period: FY93, Q2

Site name: North Bronson Industrial Area CA #: V005934-01

Activity: RI/FS

Budget period ends: 6/30/94

**WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES TAKEN OR
PLANNED) IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Site Investigation

This task has been completed.

Task 6: Community Relations

MDNR has responded to inquiries regarding project status. Have also complied with other request for site information, generally for analytical data. Since the data has been reviewed and validated, it has been provided to those who have justified a need to see it at this time. The final RI Report will be repositied in the city library for access by the public.

Task 7: Remedial Investigation Report

The draft RI was submitted to the MDNR in September 1993. MDNR distributed the document for review, including copies to the EPA. MDNR completed review of the draft RI Report during this quarter. MDNR compiled review comments of our agency including project manager, geologist, and toxicologist. The EPA also provided comments from various internal reviewers. All of the comments were transmitted to the state contractor, Warzyn Engineering, to incorporate into the revised RI Report. A meeting with the EPA, MDNR, and Warzyn, was held in Lansing on January 15, 1993, to discuss the comments of the agencies and the direction of the Feasibility Study. In a follow-up letter, MDNR provided further comments regarding the draft RI, based upon the meeting, and indicated that the final report was to proceed as quickly as possible.

Task 8: Baseline Risk Assessment

This document was submitted to the MDNR in September by Warzyn. It was also distributed for review, including copies to the EPA. Review by the MDNR toxicologist was completed during this quarter and comments were transmitted to Warzyn. This document is undergoing revisions. It will be resubmitted, along with the final RI Report during the third quarter.

Task 9: Develop Remedial Alternatives

During this quarter, MDNR and Warzyn initiated discussions and began the evaluation of potential remedial alternatives for this site. MDNR discussed remedial technologies with appropriate staff specialist and also reviewed available literature and data bases which might pertain to the characteristics of this site. Likewise, the state contractor began conducting a preliminary screening and review of potential technologies for use at this site, but were told to not begin the more detailed development of the alternative array document.

Task 10: FS Report

Due to concern at the time about the possible elimination of the State Superfund program, it was agreed that no work by the state contractor should proceed which was specifically and directly related to just the Feasibility Study. There was concern about the possible waste of money and effort if Warzyn was to initiate the FS and then suddenly have to halt work due to termination of the project assignment. For EPA to then undertake completion of the FS at some mid-point would require they assign an entirely new contractor to complete the work. They would have to familiarize themselves with the site and the RI Report and begin with their own version of the Feasibility Study. There were substantial discussion between the MDNR and EPA, and between the MDNR and Warzyn, regarding the implications of halting the FS and also, along the same lines, there were substantive discussion of what the direction and focus of the FS should be when and if it were going to proceed. An evaluation of the site data, however, cannot be completely separated from the FS process as they are intertwined, therefore certain FS related activities had to proceed and could not be clearly or cleanly halted. It is anticipated that the Feasibility Study will be allowed to proceed to completion during the third quarter and soon as some of the issues noted above can be resolved and a clear direction and focus for both the MDNR and our contractor is established.

PERCENTAGE OF ACTIVITY SCHEDULED TO BE COMPLETED: 95%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 80%

EXPLANATION OF SIGNIFICANT DIFFERENCE: The hold placed upon completion of the Feasibility Study has put the project behind schedule.

FOR EACH OF THE ABOVE TASKS, IDENTIFY THE FOLLOWING:

TASK NAME AND BUDGETED AMOUNT: Note: Includes state staff costs and contractual costs (through Warzyn Invoice #79).

Task 5: Phase II Site Investigation - \$350,000
Task 6: Community Relations - \$15,000
Task 7: RI Report - \$150,000
Task 8: Baseline Risk Assessment - \$95,000
Task 9: Develop Remedial Alternatives - \$120,000
Task 10: Feasibility Study Report - \$140,000

ESTIMATED EXPENDITURES THIS QUARTER:

Task 5: \$ 0
Task 6: \$ 500
Task 7: \$6,000
Task 8: \$8,000
Task 9: \$4,900
Task 10: \$4,000

ESTIMATED EXPENDITURES TO DATE:

Task 5: \$350,000
Task 6: \$ 12,000
Task 7: \$148,700
Task 8: \$ 94,500
Task 9: \$ 4,900
Task 10: \$ 4,000

PLANNED EXPENDITURES TO DATE:

Task 5: \$350,000
Task 6: \$ 13,000
Task 7: \$150,000
Task 8: \$ 95,000
Task 9: \$ 40,000
Task 10: \$ 40,000

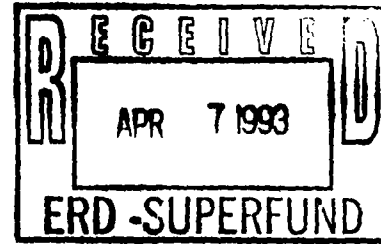
EXPLANATION OF SIGNIFICANT DIFFERENCES: See explanation for schedule above.

TOTAL FUNDING FOR THIS ACTIVITY: \$1,400,000
ESTIMATED EXPENDITURES THIS QUARTER: \$23,400
ESTIMATED EXPENDITURES TO DATE FOR THIS ACTIVITY (RI/FS): \$1,090,800
TIME AND FUNDS REMAINING (BALANCE): \$309,200
ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 21 months, \$350,000

EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: Due to delays due to CLP problems during Phase I and now due to the more recent hold placed on the Feasibility Study (which the EPA agreed with), the RI/FS was not completed as originally anticipated. This has increased the level and duration of MDNR involvement considerably. In order to complete this project through the Record of Decision additional funding will be necessary. At this time it is projected that \$40,000 will provide for MDNR involvement through the ROD and project closeout. The timing of when these funds will be needed is being evaluated. At this time it appears they may be required for third quarter of FY '94, and it is requested that this need be identified on the SCAP for that period. As our evaluation of the direction and schedule for the completion of this project proceeds, the EPA will be notified if this projection is updated and less funds are needed.

Prepared by David W. Boyer Date 5-14-93
(Project Manager)
Approved by George Carpent Acting Date 5/13/93
(Supervisor)

Good
Summary.
Need more justification
as to how much spent
on delay & on what
tasks. Is there supposed
to be a schedule
here?



April 6, 1993

Mr. Brady Boyce
Michigan Department of Natural Resources
P.O. Box 30028
Lansing, Michigan 48909

Re: N. Bronson Industrial Area RI/FS

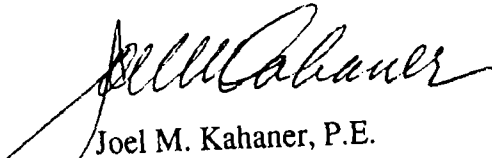
Dear Mr. Boyce:

Enclosed is the Monthly Status Report for February and March 1993.

If you have any questions concerning the Report, please call me at
(313) 344-0205.

Sincerely,

WARZYN INC.


Joel M. Kahaner, P.E.
Project Manager

JMK/ad/JFG/BJH
[cmk-303p-47]
7005100/155-dt

Enclosure: As stated

cc: Mary Tierney, U.S. EPA (w/enclosure)

Note:
No contractor
report prepared
for January 1993.

BB

THE PERFECT BALANCE
BETWEEN TECHNOLOGY
AND CREATIVITY.

DETROIT
11551 ELEVEN MILE ROAD
P.O. BOX 8012
NOVI, MI 48376
(313) 344-0205
FAX (313) 344-0217





MONTHLY STATUS REPORT
North Bronson Industrial Area RI/FS
February and March 1993

PROJECT NO.: 70051

FISCAL PERIOD: Jan 30, 1993 through April 2, 1993

PREPARED BY: Joel M. Kahaner, P.E.
Warzyn Inc.
Novi, Michigan

REPORT DATE: April 6, 1993

COPIES: Mr. Brady Boyce, MDNR
Ms. Mary Tierney, U.S. EPA

Progress Made During Reporting Period

Revisions to the Draft RI Report and Draft Baseline Risk Assessment were prepared in response to U.S. EPA and MDNR comments. Additional input was received from the following sources (date received):

MDNR - Copy of Bronson Plating Company NPDES permit and additional comments to the Draft RI Report (February 26, 1992).

MDPH - Received 1992 analytical results from public well sampling (March 3, 1993).

MDPH - Received 1989 analytical results from private well sampling (March 8, 1993).

City of Bronson - Additional drawings showing industrial sewer routing (March 7, 1993).

Problem Areas Impacting Schedule

Warzyn was advised to place the Feasibility Study on hold pending a decision to return project lead to U.S. EPA.





Additional comments to Draft RI Report were received from MDNR on February 23, 1993. This will cause the resubmittal of rewritten sections to occur in April 1993.

Documents Submitted

- February and March 1993 Monthly Progress Report

Upcoming Activities Planned For Next Month

- Continue revisions to the RI Report and Baseline Risk Assessment.
- Submit revised sections of RI Report & Baseline Risk Assessment, as requested by MDNR.

Key Personnel

Key personnel who have been active on this project include:

Joel M. Kahaner - Project Manager
Clifford Yantz - Hydrogeologist
Steve Wiskes - Project Chemist
Mike Kierski - Toxicologist
John Hurtenbach - Chemist

Travel

- Joel Kahaner travelled to Madison from Detroit March 14 & 15, 1993 to coordinate revisions to Draft RI Report and Baseline Risk Assessment.

Financial Status

Expenditures for fiscal period February and March 1993 totaled approximately \$10,400 and \$12,500, respectively. A budget summary is provided below.





		Estimated Actual <u>To Date</u>	Budget <u>Estimate</u>	<u>Status</u>
(1)	Phase I Field Effort	\$286,416	\$286,416	Complete
(2)	Phase I Tech Memo	25,957	25,957	Complete
(3)	Phase II Field Effort	222,701	436,211	Complete
(4)	RI Report	124,750	144,373	On-going
(5)	RI PM & QA	102,650	123,586	On-going
(6)	Baseline Risk Assessment	48,826	53,001	On-going
(7)	Feasibility Study	1,900	134,361	On Hold
(8)	FS Project Management	0	38,015	
(9)	Total Project	\$813,200	\$1,241,920	
(10)	Adj. for Est. Overrun	--	<u>(15,920)</u>	
(11)	Total Project Funding	--	\$1,226,000	

Notes:

- (1) Phase I totals include: Tasks 2.0, 3.1, 3.2, 4.1-4.9. Budget and actual expenses were balanced out to prepare the Phase II field work.
- (2) Phase I Technical Memorandum was prepared as agreed, as a draft document
- (3) Phase II Field Effort includes Tasks 5.1-5.9
- (4) RI Report includes Tasks 5.10, 6.0, 7.0
- (5) RI PM & QA is for entire project, including Phase I and II
- (6) Baseline Risk Assessment is Task 9.0
- (7) FS includes Tasks 10.0 -12.0
- (8) FS Project Management is Task 13.0





- (9) Estimated project cost-to-complete as reported in the Work Plan Addendum, September 23, 1992 showed an overrun of \$31,840. This is also shown on line 10, with adjustment, as appropriate.
- (10) Project Cost overrun/underrun situations are covered under Task 14.0
- (11) Project funding is \$1,226,000.

JMK/ad/JFG/BJH
[cmk-303p-46]
7005100/155-dt
040693



Sue Lorenz
→ Water service
BFI/Waste Mgmt
→ State permit

Low Earhard

1) Don Leap
414 257 3399

2) Jim Petersen Consultants
3) Leslie Allen 312 347 6939
Fadrowski

4) Joe Oswald
Stoughton LF
Laborers WI District Counsel
608 ~~775~~²¹⁴ 5757

5) Brady Line 4th Warzyn Sec 5
a) Draft letter - response to comments
Conf call

b) Surprised Question - being used? or old wells?

Who affected
How going proceed
How to fit in in how to respond

Pinyoti
414 961 2724

Sue Lorenz
WMI Carol Kubley
(608) 273 2500
BFI (608) 271 252

**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE**

Reporting Period: FY93, Q3

Site name: North Bronson Industrial Area CA #: V005934-01

Activity: RI/FS

Budget period ends: 6/30/94

**WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES TAKEN OR
PLANNED) IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Site Investigation

This task has been completed.

Task 6: Community Relations

The MDNR has responded to inquiries regarding project status from city officials, residents, and property owners in the study area. Have also complied with other request for site information, generally for analytical data. Since the data has been reviewed and validated, it has been provided to those who have justified a need to see it prior to the release of the final RI. The final RI Report will be repositied in the city library for access by the public.

Task 7: Remedial Investigation Report

The bulk of the work during this quarter was directed toward finalizing the RI Report and initiating the evaluation of remedial alternatives. Warzyn submitted a second draft of the RI Report which reflected the initial comments of the MDNR and the EPA. The revised sections were again reviewed by the agencies and several issues remained to be resolved. A number of discussions took place between MDNR and Warzyn. A conference call which included the EPA was helpful in resolving the major issues. Based on this Warzyn made their final revisions to the RI Report.

Task 8: Baseline Risk Assessment

Based on comments of the agencies, the RA was revised and portions resubmitted to the agencies for review during this quarter. An Executive Summary was added to the RA which explained the uncertainties contained in the RA.

Task 9: Develop Remedial Alternatives

During this quarter, MDNR and Warzyn began discussions about potential remedial alternatives for this site. Warzyn began conducting a preliminary screening and review of potential technologies for use at this site. They will develop an alternatives array document addressing these potential alternatives.

Task 10: FS Report

The MDNR informed Warzyn that they were to proceed with the Feasibility Study for this site but, at least for now, they were to limit the scope of the FS to dealing with the two lagoon areas and the sediments in the drain.

PERCENTAGE OF ACTIVITY SCHEDULED TO BE COMPLETED: 95%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 82%

EXPLANATION OF SIGNIFICANT DIFFERENCE: The temporary hold placed upon completion of the Feasibility Study has put the project behind schedule. The schedule will be revised with the application for additional funding which will be submitted fourth quarter 93 for award during first quarter 94.

FOR EACH OF THE ABOVE TASKS, IDENTIFY THE FOLLOWING:

TASK NAME AND BUDGETED AMOUNT: Note: Includes state staff costs and contractual costs.

Task 5: Phase II Site Investigation - \$350,000
Task 6: Community Relations - \$15,000
Task 7: RI Report - \$180,000
Task 8: Baseline Risk Assessment - \$95,000
Task 9: Develop Remedial Alternatives - \$90,000
Task 10: Feasibility Study Report - \$140,000

ESTIMATED EXPENDITURES THIS QUARTER:

Task 5: \$ 0
Task 6: \$ 1,000
Task 7: \$26,300
Task 8: \$ 500
Task 9: \$19,100
Task 10: \$ 6,100

ESTIMATED EXPENDITURES TO DATE:

Task 5: \$350,000
Task 6: \$ 13,000
Task 7: \$175,000
Task 8: \$ 95,000
Task 9: \$ 24,000
Task 10: \$ 10,100

PLANNED EXPENDITURES TO DATE:

Task 5: \$350,000
Task 6: \$ 13,000
Task 7: \$180,000
Task 8: \$ 95,000
Task 9: \$ 60,000
Task 10: \$ 40,000

EXPLANATION OF SIGNIFICANT DIFFERENCES: See explanation for schedule above. Additional funding will be necessary. An application along with justification will be submitted during fourth quarter of FY 93.

TOTAL FUNDING FOR THIS ACTIVITY: \$1,400,000

ESTIMATED EXPENDITURES THIS QUARTER: \$53,000

ESTIMATED EXPENDITURES TO DATE FOR THIS ACTIVITY (RI/FS): \$1,075,120

TIME AND FUNDS REMAINING (BALANCE): \$324,880

ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 18 months, \$365,000

EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: Due to the increased duration of MDNR involvement, in order to complete this project through the Record of Decision additional funding will be necessary. At this time it is

projected that \$40,000 will provide for MDNR involvement through the ROD and project closeout. The timing of when these funds will be needed is being evaluated as is the need for additional funds for the state contractor. As our evaluation of the direction and schedule for the completion of this project proceeds, the EPA will be notified as our estimates of time and funding needs are updated.

Prepared by Brady W. Boyce Date 8/6/93
(Project Manager)

Approved by George Carpenter Acting Date 8/5/93
(Supervisor)

**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT
QUARTERLY PROGRESS REPORT
STATE LEAD SITE**

Reporting Period: FY93, Q4

Site name: North Bronson Industrial Area CA #: V005934-01

Activity: RI/FS

Budget period ends: 6/30/94

**WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES TAKEN OR
PLANNED) IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Site Investigation

This task has been completed.

Task 6: Community Relations

The MDNR has kept in contact with local officials about the project. A copy of the Final RI Report was hand delivered to the City Manager on July 29, 1993 at which time he was provided a project update. On the same day, the MDNR delivered a copy of the RI Report to Bronson Plating and also delivered a copy to the Bronson library, which is the site repository. While at the library an index of site related public documents was updated. MDNR began compiling a list of residences in the proximity of the lagoon areas in order to be able to provide them information about the site investigation as appropriate. In August the MDNR met with Mr. Charles Barbieri, representing Universal Components, in order to comply with a FOIA request. He was allowed access to file information which was not otherwise exempt under FOIA. Copies of selected files were forwarded to him. Also had discussions with Mr. John Byl, an attorney representing the City about issues related to the site.

Task 7: Remedial Investigation Report

The RI Report was finalized by the state contractor and delivered to the MDNR in July. At that time the MDNR distributed the Report to involved parties, including the EPA. Considerable time was spent by MDNR in reviewing the document to ensure that final revisions had been made per comments of both the MDNR and the EPA. MDNR found the Final RI Report to be satisfactory and approvable.

Task 8: Baseline Risk Assessment

The RA was revised and resubmitted to the agencies during this period. An Executive Summary had been added to the RA in order to clarify and explained the uncertainties contained in the RA. This document was also distributed to the same parties, including the EPA.

Task 9: Develop Remedial Alternatives

MDNR and Warzyn continued discussions about potential remedial alternatives for this site. Warzyn was in the process of conducting a preliminary screening and review of potential technologies for use at this site. Warzyn will develop an alternatives array document addressing potential alternatives. This includes an evaluation of the practicality of limiting the scope of the remedial action to that described by the EPA.

Task 10: FS Report

State contractor continued feasibility study related work this period. However, the scope has now been formally limited per direction of EPA. While work is continuing, a considerable amount of contractor effort will be expended assessing the technical practicality of limiting the FS. In addition there will need to be contractor project management time in estimating the budget and schedule implications of the FS. Both of these activities will continue into the next quarter. The more strictly defined FS work also was initiated and will become more intensive as work proceeds into the next quarter.

PERCENTAGE OF ACTIVITY SCHEDULED TO BE COMPLETED: 95%

PERCENTAGE OF ACTIVITY ACTUALLY COMPLETED: 82%

EXPLANATION OF SIGNIFICANT DIFFERENCE: The temporary hold placed upon completion of the Feasibility Study caused the project to fall behind schedule. While the hold was removed prior to this quarter and work began again, time could not be made up to offset this. Further complicating and delaying the FS was the decision of the EPA to limit the FS to specific areas. It is necessary for the contractor to assess the practicality and implications of this scope.

FOR EACH OF THE ABOVE TASKS, IDENTIFY THE FOLLOWING:

TASK NAME AND BUDGETED AMOUNT: Note: Includes both state costs
and contractual costs.

Task 5: Phase II Site Investigation - \$350,000
Task 6: Community Relations - \$15,000
Task 7: RI Report - \$180,000
Task 8: Baseline Risk Assessment - \$95,000
Task 9: Develop Remedial Alternatives - \$90,000
Task 10: Feasibility Study Report - \$140,000

ESTIMATED EXPENDITURES THIS QUARTER:

Task 5: \$ 0
Task 6: \$ 600
Task 7: \$ 5,000
Task 8: \$ 0
Task 9: \$11,000
Task 10: \$18,000

ESTIMATED EXPENDITURES TO DATE:

Task 5: \$350,000
Task 6: \$ 13,600
Task 7: \$175,000
Task 8: \$ 95,000
Task 9: \$ 24,000
Task 10: \$ 10,100

PLANNED EXPENDITURES TO DATE:

Task 5: \$350,000
Task 6: \$ 15,000
Task 7: \$180,000
Task 8: \$ 95,000
Task 9: \$ 90,000
Task 10: \$100,000

EXPLANATION OF SIGNIFICANT DIFFERENCES: The MDNR recognizes that both the budget expenditures and schedule are not consistent with those currently approved in the Cooperative Agreement. The schedule and project budget will be re-evaluated and will be revised with the application for an amendment (including additional funding) which will be submitted during the first quarter of FY94. By that time, MDNR will have the contractors proposed budget and schedule for completion of work and will incorporate those (if approved) into the overall project schedule and budget.

TOTAL FUNDING FOR THIS ACTIVITY: \$1,400,000
ESTIMATED EXPENDITURES THIS QUARTER: \$34,600
ESTIMATED EXPENDITURES TO DATE FOR THIS ACTIVITY (RI/FS): \$1,003,940
TIME AND FUNDS REMAINING (BALANCE): \$324,880
ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 18 months, \$365,000

EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: Note: The estimated expenditures to date and the funds remaining reflect adjustments from what was reported in past reports. MDNR spent considerable effort in tracking down a discrepancy which had shown up in reports prepared by our Office of Budget and Federal Aid. The problem was located after pouring over all records of contractual payments. This problem has since been resolved and proper adjustments made in our drawdown from EPA. However, despite this error being detected and corrected, it is still our position that in order to complete this project through the Record of Decision, an additional \$40,000 will be necessary. As stated previously, an amendment will be submitted to the EPA in the near future.

NOTE: RESPONSES TO EPA COMMENTS ON BOTH THE 2ND AND 3RD QUARTER PROGRESS REPORTS ARE BEING PREPARED AND WILL EITHER BE ATTACHED TO THIS REPORT OR WILL BE FORWARDED AS SOON AS THEY ARE COMPLETED.

Prepared by Brendy W. Boye Date 11-9-93
(Project Manager)
Approved by Jeff Connelley Date 11/10/93
(Supervisor)